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Abstract

Method for recognizing speech

A method for recognizing speech is suggested.

It is one of the objectives of the inventive method to reduce the complexity and therefore the burden of search within the set of possible candidates for a speech phrase to be recognized.

The objective is achieved by a method in which regions of high complexity of a recognition grammar are paired with regions of lower perplexity by using additional constraints. The search proceeds then by evaluating the low-perplexity region of the grammar first finding word candidates which are used to limit the search effort that needs to be expended when recognizing the parts of speech corresponding to the higher perplexity part of the recognition grammar.

(Fig. 1)